

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**Applicants:** Minhua Lu, et al.

**Docket:** YOR920030499US1 (17075)

**Serial No.:** Unassigned

**Dated:** October 30, 2003

**Filed:** Herewith

**For:** METHOD AND SYSTEM FOR  
IMPROVING ION BEAM ALIGNMENT  
FOR LIQUID CRYSTAL DISPLAYS BY  
A GROOVING UNDER LAYER

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

Sir:

In accordance with 37 C.F.R. §§1.97 and 1.98, it is requested that the following references, which are also listed on the attached Form PTO-1449, be made of record in the above-identified case.

1. U.S. Patent No. 6,577,365, issued June 10, 2003 to Chaudhari, et al.;
2. U.S. Patent No. 6,346,975, issued February 12, 2002 to Chaudhari, et al.;
3. U.S. Patent No. 6,466,296, issued October 15, 2002 to Yamada, et al.;

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I hereby certify that this correspondence is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. §1.10 on the date indicated above and is addressed to the Commissioner of Patents and Trademarks, Alexandria, Virginia 22313-1450.

Dated: October 30, 2003

  
Steven Fischman

4. U.S. Patent No. 6,195,146, issued February 27, 2001 to Chaudhari, et al.;
5. U.S. Patent No. 6,124,914, issued September 26, 2000 to Chaudhari, et al.;
6. U.S. Patent No. 5,917,570, issued June 29, 1999 to Bryan-Brown, et al.;
7. U.S. Patent No. 5,438,421, issued August 1, 1995 to Sugawara, et al.;
8. U.S. Patent Application Publication No. US 2002/0186336 A1, dated December 12, 2002 to Andry, et al.; and
9. P. Chaudhari, et al., "Atomic-beam alignment of inorganic materials for liquid-crystal displays", 2001 Macmillan Magazines Ltd, Nature, Vol. 411, May 3, 2001, pp. 56-58.

Applicants are submitting a copy of the above-cited non-U.S. reference.

Inasmuch as this Information Disclosure Statement is being submitted in accordance with the schedule set out in 37 C.F.R. §1.97(b), no petition, certification or fee is required.

Respectfully submitted,



Steven Fischman  
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<b>INFORMATION DISCLOSURE CITATION</b> <i>(Use several sheets if necessary)</i>				Docket Number (Optional) <b>YOR920030499US1 (17075)</b>		Application Number <b>Unassigned</b>		
				Applicant(s) <b>Minhua Lu, et al.</b>				
				Filing Date <b>Herewith</b>		Group Art Unit <b>Unassigned</b>		
<b>U.S. PATENT DOCUMENTS</b>								
*EXAMINER INITIAL	REF	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE	
		6,577,365	06/10/03	Chaudhari, et al				
		6,346,975	02/12/02	Chaudhari, et al				
		6,466,296	10/15/02	Yamada, et al				
		6,195,146	02/27/01	Chaudhari, et al				
		6,124,914	09/26/00	Chaudhari, et al				
		5,917,570	06/29/99	Bryan-Brown, et al				
		5,438,421	08/01/95	Sugawara, et al				
		US 2002/0186336 A1	12/12/02	Andry, et al				
<b>FOREIGN PATENT DOCUMENTS</b>								
	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
<b>OTHER DOCUMENTS</b> <i>(Including Author, Title, Date, Pertinent Pages, Etc.)</i>								
		P. Chaudhari, et al., "Atomic-beam alignment of inorganic materials for liquid-crystal displays", 2001 Macmillan Magazines Ltd, Nature, Vol. 411, May 3, 2001, pp. 56-58						
<b>EXAMINER</b>				<b>DATE CONSIDERED</b>				
<b>EXAMINER:</b> Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.								